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Johnson County, Iowa

Map symbol and soil name	Pct. Application of		Application of sewage sludg 	e	Disposal of wastewater by irrigation	1	
		=		Rating class and limiting features		-	
7: Wiota	1 100	 	 	 	 	 	
11B: Colo	 - 50 	Depth to saturated zone Leaching limitation	1.00 	saturated zone Flooding			11.00
Ely	 - 30 	Somewhat limited Depth to saturated zone 	 0.43 	 Somewhat limited Depth to saturated zone 			0.43
41: Sparta	 - 100 	Filtering capacity Leaching limitation Droughty		capacity Droughty Too acid	1.00 	 Very limited Filtering capacity Droughty Too acid	 1.00 0.29 0.07
41B: Sparta	 - 100 	Filtering capacity Leaching limitation	1.00 0.45	 Very limited Filtering capacity Droughty Too acid	1.00	1	 1.00 0.29 0.08
41C: Sparta	 - 100 		 0.02 1.00 0.45 	 Very limited Filtering capacity Droughty 		capacity Too steep for surface application	 0.07 1.00 0.91

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Johnson County, Iowa

and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	e	Disposal of wastewater by irrigation	1
	 	 Rating class and limiting features 		Rating class and limiting features		Rating class and limiting features	
	 	 Too acid 	10.02	 		Too acid Too steep for sprinkler application	 0.07 0.02
41D: Sparta	 100 	. =		 Very limited Filtering capacity		 Very limited Too steep for surface application	11.00
	 	 Slope 	10.96	 Slope 	10.96	application Filtering capacity	11.00
	 	Leaching limitation	0.45	Droughty 	0.29	Too steep for sprinkler	0.97
	 		10.29		0.07	application Droughty Too acid	10.29
43: Bremer	 95 	Depth to saturated zone	1.00 	 Very limited Depth to saturated zone Restricted permeability	1.00	 Very limited Depth to saturated zone Restricted permeability	 1.00 0.22
54: Zook	 100 	 Very limited Restricted permeability Depth to saturated zone Flooding Leaching limitation	 1.00 1.00 1.00 0.60	saturated zone Flooding Restricted permeability		permeability	 1.00 1.00 0.60
63B: Chelsea				capacity		 Very limited Filtering capacity Droughty Too steep for surface application	 1.00 0.46 0.08
63C: Chelsea	 100	 Verv limited	 	 Very limited	 	 Very limited	

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg	e	Disposal of wastewater by irrigation	
				Rating class and limiting features			
	 	 Filtering capacity Droughty	11.00	capacity	11.00	 Filtering capacity Too steep for	1.00 0.91
		i I	 	 		surface application	
	 	Leaching limitation 	0.45 	 	 	Droughty Too steep for	0.46 0.02
		 	 	 	 	sprinkler application	
63E: Chelsea	 -1 95	 Verv limited		 Very limited		 Very limited	1
		Filtering capacity	11.00		11.00		11.00
	İ	Slope	0.96	Slope	0.96		11.00
	i 	Droughty 	0.46	Droughty 	0.46		0.97
	 	Leaching Ilimitation	0.45 	 	 	Droughty 	0.46
65D2: Lindley	 - 95	 Somewhat limited	 	 Somewhat limited	 	 Very limited	
1		Slope 	0.63		0.63	•	11.00
	 	Restricted permeability	0.30	Too acid 	0.31	Too steep for sprinkler application	0.77
		 Too acid 	0.08	Restricted permeability	0.22	Too acid 	0.31
	 	 	 	 	 	Restricted permeability 	0.22
65E2: Lindley	 - 95	 Very limited		 Very limited		 Very limited	
1		Slope 		Slope 		Too steep for surface application	11.00
		Restricted permeability	0.30	Too acid 	0.31		11.00
		 Too acid 	0.08	 Restricted permeability	0.22	application Too acid 	0.31

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg		Disposal of wastewater by irrigation	1
				Rating class and limiting features			Value
	 	 		 		Restricted permeability	 0.22
65F: Lindley	 - 95 	•	11.00	 Very limited Slope 		 Very limited Too steep for surface	 1.00
	 	 Restricted permeability 	 0.30 	 Too acid 	 0.31 	application Too steep for sprinkler application	 1.00
	 	Too acid 	0.08	Restricted permeability	0.22	Too acid Restricted permeability	0.31
65F2: Lindley	 - 95 	 Very limited Slope	11.00	 Very limited Slope			1 1.00
	 	 Restricted permeability 	0.30	 Too acid 	0.31	application Too steep for sprinkler application	11.00
		Too acid 	0.08	Restricted permeability 	0.22 	Too acid Restricted permeability	0.31 0.22
75: Givin	 - 95	 Somewhat limited	 	 Somewhat limited	 	permeability Somewhat limited	
		Depth to saturated zone Restricted permeability	0.43	Depth to saturated zone Restricted permeability	0.43	•	0.43
76B: Ladoga	 - 100 	 Somewhat limited Restricted permeability 		 Somewhat limited Restricted permeability 		 Somewhat limited Restricted permeability Too steep for surface application	10.22
76C2: Ladoga	 - 100	 Somewhat limited	 	 Somewhat limited		 Somewhat limited	

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg 	e	Disposal of wastewater by irrigation 	
		Rating class and limiting features		Rating class and limiting features		-	Value
		Restricted permeability	10.30	Restricted permeability	0.22 0.22 	Too steep for surface application Restricted permeability Too steep for sprinkler application	0.91
76D2:	j	İ	i		i	İ	i
Ladoga	- 100 	Somewhat limited Slope 	 0.63 	Somewhat limited Slope 	 0.63 	Very limited Too steep for surface application	 1.00
		Restricted permeability	0.30	Restricted permeability	0.22	• • •	0.77 0.22
80B: Clinton	 - 100 	 Somewhat limited Restricted permeability 	10.30	 Somewhat limited Restricted permeability 	 0.22 	 Somewhat limited Restricted permeability Too steep for surface application	 0.22 0.08
80C: Clinton	 - 100 	 Somewhat limited Restricted permeability 	 0.30 	 Somewhat limited Restricted permeability 	 0.22 		 0.91 0.22 0.02
80C2: Clinton	 - 100 	 Somewhat limited Restricted permeability 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Somewhat limited Restricted permeability 	 0.22 	 Somewhat limited Too steep for surface application Restricted permeability	 0.91 0.22

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	of manure and food- map processing waste		Application of sewage sludg	Application of sewage sludge 		1
		=		Rating class and limiting features		=	Value
	 	 	 	 		Too steep for sprinkler application	 0.02
80D: Clinton	 - 100 		 0.63 	 Somewhat limited Slope 	 0.63 	surface	 1.00
		 Restricted permeability 	10.30	 Restricted permeability 	 0.22 	application Too steep for sprinkler application Restricted	 0.77 0.22
80D2:		 	 	 	 	permeability 	
	- 100 	Somewhat limited Slope 	0.63	Somewhat limited Slope	0.63	 Very limited Too steep for surface application	11.00
	 	Restricted permeability 	0.30	Restricted permeability 	0.22		0.77
80D3: Clinton	 - 100 	 Somewhat limited Slope	 0.63	 Somewhat limited Slope	 0.63	 Very limited Too steep for surface	1 1 1 . 00
	 	Restricted permeability	0.30	Restricted permeability	0.22	application Too steep for sprinkler application	 0.77
83B:		 		 		Restricted permeability 	0.22
	1 - 100 	 Somewhat limited Too acid 	10.02	 Somewhat limited Too acid 	0.07	 Somewhat limited Too steep for surface application Too acid	 0.08 0.07
83C2: Kenyon	 - 100	 Somewhat limited	 	 Somewhat limited	 	 Somewhat limited	

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Johnson County, Iowa

and soil name	 Pct. of map unit	manure and food- processing waste		Application of sewage sludg 	е	Disposal of wastewater by irrigation	1
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	Too acid	0.02 1 1 1 1	Too acid	0.07 1 1 1 1	Too steep for surface application Too acid Too steep for sprinkler application	 0.91 0.07 0.02
88: Nevin	 95 	•	0.43		0.43	 Somewhat limited Depth to saturated zone	0.43
110B: Lamont	 100 	Filtering capacity	 1.00 1.00 0.02	capacity	 1.00 0.07	capacity	1 1.00
110C: Lamont	 100 100 1	capacity	 1.00 1.00 0.02 	capacity	 1.00 0.07 	Too acid Very limited Filtering capacity Too steep for surface application Too acid Too steep for sprinkler	0.07 1.00 0.91 0.07 0.02
110E: Lamont	 100 1 	capacity Slope 	 1.00 0.96 0.02	capacity Slope		application Very limited Too steep for surface application Filtering capacity	 1.00 1.00 0.97
118: Garwin	 100	 Very limited	 	 Very limited		 Very limited	

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	of manure and food- map processing waste		Application of sewage sludg		Disposal of wastewater by irrigation	l
	 			Rating class and limiting features			
	 	Depth to saturated zone Leaching limitation	11.00	saturated zone		 Depth to saturated zone 	11.00
119: Muscatine	 - 95 	Depth to saturated zone	0.43	 Somewhat limited Depth to saturated zone Too acid	0.43	 Somewhat limited Depth to saturated zone Too acid	0.43
119B: Muscatine	 - 95 	 Somewhat limited Depth to saturated zone Too acid 	0.43	 Somewhat limited Depth to saturated zone Too acid 	0.43		 10.43 10.08 10.07
120B: Tama	 - 100 	 Somewhat limited Too acid 	10.02	 Somewhat limited Too acid 	 0.07 	 Somewhat limited Too steep for surface application Too acid	0.08
120C: Tama	 - 100 	 Somewhat limited Too acid 	 0.02 	 Somewhat limited Too acid 		surface application Too acid	 0.91 0.07 0.02
120C2: Tama	 - 100 	 Somewhat limited Too acid 	 	 Somewhat limited Too acid 	 0.07 	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	 0.91 0.07 0.02

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	map processing waste		Application of sewage sludg		Disposal of wastewater by irrigation 	
	 			Rating class and limiting features			
120D2: Tama	 - 100 		1 1 1 1 0 . 63	 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Too steep for surface	1 1.00
	 	 Too acid 	 0.02 	 Too acid 	 0.07 	application Too steep for sprinkler application Too acid	0.77
122: Sperry	 - 100 	 Very limited Restricted permeability Depth to saturated zone Leaching limitation	1.00 1.00	Depth to saturated zone Restricted permeability	1.00 1.00	 Very limited Depth to saturated zone Restricted permeability	 1.00 1.00
133: Colo	 - 100 	Depth to saturated zone Leaching limitation	1.00 	saturated zone Flooding	1.00 	saturated zone	11.00
133+: Colo		saturated zone Flooding	1.00 	saturated zone Flooding	1.00 	saturated zone	1.00
135: Coland		Depth to	11.00	 Very limited Depth to saturated zone Flooding 	1.00	Depth to saturated zone	 1.00 0.60
140: Sparta	 - 100 	 Very limited Filtering capacity	1 1.00	 Very limited Filtering capacity	11.00	 Very limited Filtering capacity	11.00

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	Application of sewage sludg		Disposal of wastewater by irrigation	1	
	 			Rating class and limiting features			
	 	Leaching limitation	 0.45 	Too acid	10.07	Too acid	 0.07
	 		0.05 0.02	Droughty 	0.05 	Droughty 	0.05
141: Watseka	 - 95 	Filtering capacity	1.00 1.00	 Very limited Filtering capacity Depth to saturated zone	11.00	 Very limited Filtering capacity Depth to saturated zone	 1.00 1.00
150	İ	Droughty	0.08	Droughty	0.08	Droughty	0.08
152: Marshan	 - 100 	Depth to saturated zone Filtering capacity	1.00 		1.00 	 Very limited Depth to saturated zone Filtering capacity 	 1.00 1.00
160: Walford	 - 100	 Very limited	i I	 Very limited	i I	 Very limited	i i
		Depth to saturated zone Leaching limitation Restricted	1.00 0.70	Depth to saturated zone Restricted permeability		Depth to saturated zone Restricted permeability 	1.00 0.22
161: Walford	 - 60 	Depth to saturated zone Leaching limitation	1.00 0.70	Restricted permeability	1.00 0.22	 Very limited Depth to saturated zone Restricted permeability	11.00
Atterberry	- 30 	 Very limited	11.00	 Very limited Depth to saturated zone		 Very limited Depth to saturated zone	11.00
162B: Downs	 - 100	 Somewhat limited	 	 Somewhat limited	 	 Somewhat limited	

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	f manure and food- p processing waste		Application of sewage sludg l	e	Disposal of wastewater by irrigatior 	n
	 	Rating class and limiting features		Rating class and limiting features		•	Value
		Too acid	0.02	Too acid	 0.07 	Too steep for surface application Too acid	 0.08 0.07
162C: Downs	- 100 		1 1 1 1 1 1 1 1 1 1	 Somewhat limited Too acid 	 0.07 		 0.91 0.07 0.02
162C2: Downs	 - 100 	 Somewhat limited Too acid 	 	 Somewhat limited Too acid 	 	 Somewhat limited	 0.91 0.07 0.02
162D2: Downs	 - 100 	 Somewhat limited Slope 	0.63	 Somewhat limited Slope 	0.63	 Very limited Too steep for surface application	11.00
	 	 Too acid 	0.02	Too acid 	0.07	= =	0.77
163B: Fayette	 - 100 		 0.02 	 Somewhat limited Too acid 	 0.07 	 Somewhat limited Too steep for surface application Too acid	0.08
163C: Fayette	 - 100 		 0.02 	 Somewhat limited Too acid 	 0.07 	 Somewhat limited Too steep for surface application Too acid	 0.91 0.07

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	of manure and food- map processing waste		Application of sewage sludg	e	Disposal of wastewater by irrigation	
				Rating class and limiting features		Rating class and limiting features	Value
16200		 		 		 Too steep for sprinkler application	10.02
163C2: Fayette	 - 100 	 Somewhat limited Too acid 	 0.02 	 Somewhat limited Too acid 	 0.07 		 0.91 0.07 0.02
163D: Fayette	 - 100 	 Somewhat limited Slope 	10.63	 Somewhat limited Slope 	10.63	surface	1 1.00
	 	 Too acid 	 0.02 	 Too acid 	 0.07 	application Too steep for sprinkler application Too acid	 0.77 0.07
163D2: Fayette	 - 100 	 Somewhat limited Slope 	 0.63	 Somewhat limited Slope 	 0.63	surface	 1.00
	 	 Too acid 	 0.02 	 Too acid 	 0.07 	application Too steep for sprinkler application Too acid	0.77
163D3: Fayette	 - 100 	 Somewhat limited Slope 	 0.63 	 Somewhat limited Slope 	 0.63 	 Very limited Too steep for surface application	11.00
	 	 Too acid 	0.02	 Too acid 	0.07	• • •	0.77
163E: Fayette	 - 100	 Very limited	 	 Very limited	 	 Very limited	

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	of manure and food- ap processing waste		Application of sewage sludg	е	Disposal of wastewater by irrigation 	l.
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	 Slope 	11.00	 Slope 	11.00	 Too steep for surface application	 1.00
	 	Too acid 	0.02	Too acid	0.07	Too steep for sprinkler application Too acid	1.00 0.07
						100 acid	1
163E2: Fayette	 100 	 Very limited Slope 	1.00	 Very limited Slope 	11.00	 Very limited Too steep for surface application	1 1.00
	 	Too acid 	0.02	Too acid 	0.07	Too acid	1.00 0.07
163E3:		 		I I		 	1
	100 	Very limited Slope 	11.00	Very limited Slope 	11.00	Very limited Too steep for surface	11.00
	 	 Too acid 	0.02	Too acid 	 0.07 	application Too steep for sprinkler application Too acid	1.00
163F:		 		I I		 	
Fayette	95 	Very limited Slope 	11.00	Very limited Slope 	11.00	Very limited Too steep for surface application	11.00
	 	 Too acid 	0.02	Too acid 	0.07	Too steep for sprinkler application Too acid	1.00 0.07
163F2:		 		1		 	
Fayette	95 	 Very limited Slope 	11.00	Very limited Slope	11.00	 Very limited Too steep for surface application	11.00
	 	 Too acid 	0.02	Too acid 	0.07		11.00
	į	 -		İ	İ	Too acid	0.07

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	-	Application of sewage sludg		Disposal of wastewater by irrigation 	
				Rating class and limiting features			
163G: Fayette	 95 	Slope 	11.00	i I	1.00 	surface application Too steep for sprinkler application	1.00
165: Stronghurst	 - 95 	Depth to saturated zone	11.00	saturated zone		Too acid Very limited Depth to saturated zone Too acid	0.07 1.00 0.07
171B: Bassett	 - 100 		 0.11 	 Somewhat limited Too acid 	 0.42 	•	 0.42 0.08
171C2: Bassett	 - 95 	•	 0.11 	 Somewhat limited Too acid 	 0.42 		 0.91 0.42 0.02
171D2: Bassett	 - 100 		 0.63	 Somewhat limited Slope 	 0.63	surface	11.00
		 Too acid 	 0.11 	 Too acid 	 0.42 	application Too steep for sprinkler application Too acid	 0.77 0.42
171D3: Bassett	 100 	 Somewhat limited Slope 	 0.63 	 Somewhat limited Slope 	 0.63 	 Very limited Too steep for surface application	1 1.00

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Johnson County, Iowa

and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg 		Disposal of wastewater by irrigation	
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	 Too acid 	 0.11 	 Too acid 	 0.42 	Too steep for sprinkler application Too acid	 0.77 0.42
173: Hoopeston	 95 	Filtering capacity Depth to saturated zone		saturated zone		saturated zone	 1.00 1.00 0.42
174B: Bolan	 100 	•	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 - Very limited	 	 Very limited	11.00
175: Dickinson	 100 	Filtering capacity	1.00 	 Very limited Filtering capacity Droughty		 Very limited Filtering capacity Droughty	1 1.00
175B: Dickinson	 100 	Filtering capacity		 Very limited Filtering capacity Droughty 	1.00 	 Very limited Filtering capacity Too steep for surface application Droughty	1.00
175C: Dickinson	 100 	Filtering capacity	 1.00 1.00 10.01 1 1	capacity	 1.00 1.00 0.01 	capacity	 1.00 0.91 0.02

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Johnson County, Iowa

Map symbol and soil name	 Pct. of map unit	manure and food processing was	_	Application of sewage sludg 	е	Disposal of wastewater by irrigation 	1
		Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
178: Waukee	 100 	•		 Very limited Filtering capacity		 Very limited Filtering capacity	1 1.00
179D2: Gara	 95 		 0.63	 Somewhat limited Slope	 0.63	surface	11.00
		Restricted permeability 	 0.30 	Restricted permeability 	 0.22 	application Too steep for sprinkler application Restricted permeability	 0.77 0.22
179E2: Gara	 95 	Slope 	1.00	I I	 1.00 0.22 		 1.00 1.00 1.00
184: Klinger	 95 	Depth to saturated zone	 0.43 0.02	saturated zone		 Somewhat limited Depth to saturated zone Too acid	 0.43 0.07
220: Nodaway	 92 			 Very limited Flooding	1 1.00	 Somewhat limited Flooding	10.60
226: Lawler	 95 	 Very limited Filtering capacity Depth to saturated zone	1.00	capacity	1.00	 Very limited Filtering capacity Depth to saturated zone	1 1.00
279: Taintor	 100 	 Very limited Depth to saturated zone	 1.00	 Very limited Depth to saturated zone	1 1.00	 Very limited Depth to saturated zone	1 1.00

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Johnson County, Iowa

Map symbol and soil name	 Pct. of map unit	f manure and food- p processing waste		Application of sewage sludg 	е	Disposal of wastewater by irrigatior 	n
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	limitation	0.50	Restricted permeability	 0.22 	Restricted permeability 	 0.22
280: Mahaska	 - 95 	Depth to saturated zone	10.43	saturated zone	0.43	saturated zone	0.43
281B: Otley	 - 100 	•	 0.02 	 Somewhat limited Too acid 	 0.07 	 Somewhat limited Too steep for surface application Too acid	 0.08 0.07
281C2: Otley	 - 100 		 0.02 	 Somewhat limited Too acid 	 0.07 		 0.91 0.07 0.02
281D2: Otley	 - 100 	Slope 	0.63	I I	0.63	surface application	11.00
284: Flagler	 - 100 	Filtering capacity	1 1 1 1 1 1 1 1 1 1	capacity	1 1 1 1 1 1 1 1 1 1	Too acid Very limited Filtering capacity	 0.07 1.00 0.08
285C: Burkhardt	 - 100 	 Very limited Filtering capacity	 1.00	 Very limited Filtering capacity	 1.00	 Very limited Filtering capacity	 1.00

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg		Disposal of wastewater by irrigatior	ı
	 	Rating class and limiting features		Rating class and limiting features			
	 	Droughty	0.77	Droughty	0.77	 Too steep for surface application	 0.91
		Too acid	0.02	Too acid	0.07		0.77 0.07 0.02
291: Atterberry	 95 	 Very limited Depth to saturated zone		 Very limited Depth to saturated zone	1 1 1 1 1 1 1 1 1 1	 Very limited Depth to saturated zone	 1.00
	1	Too acid	0.02 	Too acid	0.07 	Too acid 	0.07
291B: Atterberry	95	=		 Very limited		 Very limited	
	 	Depth to saturated zone Too acid 	1.00 0.02 	saturated zone	1.00 0.07 	saturated zone	1.00 0.08 0.07
293C: Chelsea	 45 	Filtering capacity	11.00		11.00	 Very limited Filtering capacity	11.00
	 	Droughty 	0.46	I I	0.46	surface application	0.91
		Leaching limitation	0.45	İ	0.07 	İ	0.46
		Too acid 	0.02 	 		Too acid Too steep for sprinkler application	0.07 0.02
Lamont	35	 Very limited Filtering capacity		 Very limited Filtering capacity	11.00	 Very limited Filtering capacity	11.00
		Too acid 	0.02	· • • •	•	Too steep for surface application Too acid	0.91

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	e	Disposal of wastewater by irrigation 	1
	 			Rating class and limiting features			
	 	 		 	 	 Too steep for sprinkler application 	 0.02
Fayette	20 		 0.02 	Somewhat limited Too acid 	 0.07 	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	 0.91 0.07 0.02
293C2: Chelsea	 45 	 Very limited Filtering capacity Droughty 		 Very limited Filtering capacity Droughty		surface	 1.00 0.91
		 Leaching limitation Too acid 	 0.45 0.02 	 Too acid 	 0.07 	application Droughty Too acid Too steep for sprinkler application	 0.46 0.07 0.02
Lamont	 35 	 Very limited Filtering capacity Too acid 		 Very limited Filtering capacity Too acid 			 1.00 0.91 0.07 0.02
Fayette	20	 Somewhat limited Too acid 	 0.02 	 Somewhat limited Too acid 	 0.07 		 0.91 0.07 0.02

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg 		Disposal of wastewater by irrigation	
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
293D:		 		i I		 	
Chelsea	45			Very limited Filtering capacity	11.00	surface	11.00
		 Slope 	0.63	Slope	10.63	application Filtering capacity	11.00
		 Droughty 	0.46	Droughty 	0.46		0.77
	 	 Leaching limitation	0.45	Too acid	0.07	• • •	0.46
	į į	Too acid 	0.02		i I	Too acid 	0.07
Lamont	35	 Very limited Filtering capacity	11.00	Very limited Filtering capacity	11.00	 Very limited Too steep for surface application	11.00
	 	 Slope 	0.63	Slope	0.63	Filtering capacity	11.00
	 	 Too acid 	0.02	Too acid 	0.07	Too steep for sprinkler application	0.77
		 		 		Too acid 	0.07
Fayette	20 		 0.63 	Somewhat limited Slope 	 0.63 	Very limited Too steep for surface application	11.00
	 	 Too acid 	10.02	Too acid 	0.07		0.77
	i I	 		i I	i I	Too acid	0.07
293D2: Chelsea	 45	. 4		 Very limited		 Very limited	
	 	Filtering capacity 	1.00	Filtering capacity	11.00	Too steep for surface application	11.00
	 	 Slope 	0.63	Slope	0.63		11.00
	 	Droughty	0.46	Droughty	0.46	Too steep for sprinkler	0.77
	 	 Leaching limitation	 0.45 	 Too acid 	 0.07 	application Droughty 	 0.46
	į	Too acid	0.02	İ	į	Too acid	0.07

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg		Disposal of wastewater by irrigation 	
				Rating class and limiting features			Value
Lamont	- 35 	 Very limited Filtering capacity		 Very limited Filtering capacity	11.00	 Very limited Too steep for surface application	11.00
		 Slope	0.63	Slope	0.63	application Filtering capacity	1.00
	 	 Too acid 	0.02	 Too acid 	 0.07 		0.77 0.07
Fayette	 - 20 	 Somewhat limited Slope	 0.63	 Somewhat limited Slope	 0.63	· ±	11.00
	 	 Too acid 	1 0.02	 Too acid 	 0.07 	surface application Too steep for sprinkler application	 0.77
	 	 		 	 	Too acid 	0.07
293E: Chelsea	 - 40 	 Very limited Slope 	1 1.00	 Very limited Slope 	1 1.00	 Very limited Too steep for surface application	1 1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	11.00
		Droughty	0.46	Droughty	0.46	application Filtering capacity	11.00
		Leaching limitation	0.45	Too acid	0.07		0.46
	į	Too acid	0.02	 	i i	 Too acid 	0.07
Lamont	- i 30 i	 Very limited Slope 	11.00	Very limited Slope 		Very limited Too steep for surface	11.00
		 Filtering capacity 	11.00	 Filtering capacity 	11.00	application Too steep for sprinkler application	11.00
	, 	 Too acid 	0.02	Too acid 	0.07	Filtering capacity	11.00
	 	 		 	 	Too acid 	0.07
Fayette	- 20	Very limited		Very limited		Very limited	1

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	e	Disposal of wastewater by irrigation 	
		Rating class and limiting features		Rating class and limiting features			
		 Slope 	11.00	 Slope 	11.00	 Too steep for surface application	11.00
	 	 Too acid 	0.02	 Too acid 	0.07	Too acid	1.00
293E2: Chelsea	 - 40	 Very limited	 	 Very limited	 	 Very limited	
	 	Slope 	11.00	-	11.00		11.00
	 	Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	11.00
	i	 Droughty 	0.46	Droughty	0.46		11.00
	 	Leaching Iimitation Too acid	0.45	Too acid 	0.07		0.46 0.07
Lamont	 - 30 	1	İ	 Very limited Slope	11.00	 Very limited Too steep for	1 1.00
	 	 Filtering capacity	11.00	 Filtering capacity	1 1.00	surface application Too steep for sprinkler	 1.00
	 	 Too acid	0.02	1	0.07	application	11.00
	į į	 -	i I		i I	Too acid	0.07
Fayette	- 20 	Very limited Slope 	11.00	Very limited Slope 	1.00	Very limited Too steep for surface application	 1.00
		 Too acid 	0.02	Too acid 	0.07		11.00
		 		[[Too acid	0.07
293F: Chelsea	 - 35 	 Very limited Slope 		 Very limited Slope 	11.00	 Very limited Too steep for surface application	 1.00

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	.—	Application of sewage sludg	e	Disposal of wastewater by irrigation	1
	 			Rating class and limiting features			
	 	 Filtering capacity	11.00	 Filtering capacity	11.00	 Too steep for sprinkler application	 1.00
	i i	Droughty 	0.46	 Droughty 	0.46		11.00
	į į	Leaching limitation	0.45	Too acid 	0.07		0.46
	į	Too acid	0.02	 -	į	Too acid	0.07
Lamont	30	 Very limited Slope 	11.00	 Very limited Slope 	11.00	surface	11.00
		 Filtering capacity	11.00	 Filtering capacity	11.00	application Too steep for sprinkler	11.00
	 	 Too acid 	 0.02 	 Too acid 	 0.07 	application Filtering capacity Too acid	 1.00 0.07
Fayette	20	 Very limited		 Very limited		 Very limited	
	 	Slope 	1.00 	Slope 	1.00 	Too steep for surface application	11.00
		Too acid 	0.02	Too acid 	0.07	Too steep for sprinkler application	1.00
		 	 	 	 	Too acid	0.07
293G: Chelsea	 35	 Very limited	İ	 Very limited	İ	 Very limited	į
Chersea	33	Slope	11.00	-	11.00	-	11.00
	 	 Filtering capacity 	11.00	Filtering capacity	1.00		11.00
	į	Droughty 	0.46	Droughty	0.46		11.00
	į	 Leaching limitation	0.45	 Too acid 		Droughty	0.46
	i i	Too acid	0.02	 -	 	 Too acid 	0.07
Lamont	30	 Very limited Slope 	11.00	 Very limited Slope 	11.00	 Very limited Too steep for surface application	11.00

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg		Disposal of wastewater by irrigation	ı
				Rating class and limiting features			
	 	 Filtering capacity 	11.00		11.00	 Too steep for sprinkler application	11.00
		Too acid	0.02 	Too acid 	0.07 		1.00 0.07
Fayette	 20 		 1.00 	 Very limited Slope 		 Very limited Too steep for surface application	 1.00
	 	 Too acid 	0.02	 Too acid 	0.07		11.00
320:		 		 		 	
Arenzville	95			Very limited Flooding	11.00	Very limited Flooding	11.00
350B: Waukegan	 - 100 	. =	1.00	 Very limited Filtering capacity 		 Very limited Filtering capacity Too steep for surface application	1.00
352B: Whittier	 - 100 	=	11.00	 Very limited Filtering capacity 	1.00 	 Very limited Filtering capacity Too steep for surface application	1 1.00 1 10.08 1 1
352C2: Whittier	 100 	 Very limited Filtering capacity 		 Very limited Filtering capacity 	 1.00 1.00 1 1 1		 1.00 10.91 10.02

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Johnson County, Iowa

1 1	Application of of manure and food-map processing waste unit		_	Application of sewage sludge 		Disposal of wastewater by irrigation	
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
377B: Dinsdale	 100 100 		 0.02 	 Somewhat limited Too acid 	 0.07 	 Somewhat limited Too steep for surface application Too acid	 0.08 0.07
377C2: Dinsdale	 100 	•	 0.02 	 Somewhat limited Too acid 	 0.07 	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	 0.91 1 0.07 0.02
382: Maxfield	 100 	. =		Depth to saturated zone	 1.00 	 Very limited Depth to saturated zone 	1.00
420B: Tama	 100 	•	 0.02 	 Somewhat limited Too acid 		 Somewhat limited Too steep for surface application Too acid	0.08
422: Amana	 95 	Flooding					 0.60 0.43
428B: Ely	 95 	•	 0.43 	 Somewhat limited Depth to saturated zone 	 0.43 	 Somewhat limited Depth to saturated zone Too steep for surface application	 0.43 0.08
430: Ackmore	 95 	 Very limited Flooding	1 1.00	 Very limited Flooding	1 1.00	 Very limited Flooding	1 1.00

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food- processing waste		Application of sewage sludg		Disposal of wastewater by irrigation	
 	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
		 Depth to saturated zone	1.00	 Depth to saturated zone	1.00	 Depth to saturated zone	11.00
442B:		 	1	 		 	i
Tama	50 	Somewhat limited Too acid 	 0.02 	Somewhat limited Too acid 	0.07	Somewhat limited Too steep for surface application Too acid	0.08
Dickinson	30 	Filtering capacity	1.00 	 Very limited Filtering capacity	11.00	 Very limited Filtering capacity	11.00
	 	Too acid 	0.02 	Too acid 	0.07 	Too steep for surface application	0.08
		Droughty 	0.01	Droughty 	0.01	Too acid Droughty	0.07
442C2: Tama	50 	 Somewhat limited Too acid 	1 1 1 0 . 02 1 1 1 1 1 1 1 1 1	 Somewhat limited Too acid 			 0.91 0.07 0.02
Dickinson	30 			 Very limited Filtering capacity Too acid 		surface	 1.00 0.91
		 Droughty 	 0.01 	 Droughty 	0.01	application Too acid Too steep for sprinkler application Droughty	 0.07 0.02 0.01
442D2: Tama	 50 		10.63	 Somewhat limited Slope 	0.63	 Very limited Too steep for surface application	11.00

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	Application of Application manure and food- of sewage sludge processing waste		Disposal of wastewater by irrigation	=	
		Rating class and limiting features		Rating class and limiting features			Value
	 	 Too acid 	0.02	Too acid	 0.07 	Too steep for sprinkler application	 0.77 0.07
Dickinson	 - 30 	 Very limited Filtering capacity	 1.00 	 Very limited Filtering capacity	 1.00 	 Very limited Too steep for surface application	 1.00
		Slope	0.63	Slope	0.63	· • •	1.00
		Too acid 	0.02	Too acid 	0.07		0.77
		Droughty 	0.01	Droughty	0.01	· • •	0.07 0.01
453:	1						1
Tuskeego	- 100 	Very limited Restricted permeability Depth to saturated zone Leaching limitation Too acid		saturated zone Too acid		saturated zone	 1.00 1.00 0.07
		100 acid	10.02				-
484: Lawson	 - 95 	 Very limited Depth to saturated zone Flooding	 1.00 0.60	İ	 1.00 1.00	saturated zone	 1.00 0.60
		Fibourng		saturated zone	11.00	Fiooding	
485: Spillville	 - 95			 Very limited		 Somewhat limited	
		Flooding 	0.60 	Flooding	1.00 	Flooding 	0.60
520: Coppock	 - 95 	 Very limited Depth to saturated zone Flooding	 1.00 0.60	I	 1.00 1.00	 Very limited Depth to saturated zone Flooding	 1.00 0.60
539: Perks	 - 95 	 Very limited Droughty	 1.00	 Very limited Flooding	1 1.00	 Very limited Droughty	 1.00

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Johnson County, Iowa

Map symbol and soil name	of map	Pct. Application of of manure and food- map processing waste unit		Application of sewage sludge		Disposal of wastewater by irrigation	
				Rating class and limiting features			
	 	 Filtering capacity	11.00	 Droughty	11.00	 Filtering capacity	11.00
		Flooding 	0.60 	Filtering capacity	11.00	Flooding 	0.60
	i I	Leaching I limitation Too acid	0.45	Too acid 	0.14	Too acid	0.14
621:		 		 		 	
Houghton	- 100 	Depth to saturated zone	 1.00 	Very limited Depth to saturated zone	 1.00 	Very limited Depth to saturated zone	 1.00
		Low adsorption Leaching limitation	1.00 0.90		1.00	Low adsorption -	11.00
687: Watkins	- 100 	 Not limited 	 	 Not limited 	 	 Not limited 	
687B: Watkins	 - 100 	 Not limited 	 	 Not limited 	 	 Somewhat limited Too steep for surface application	 0.08
688: Koszta		 Somowhat limited		 Somewhat limited		 Somewhat limited	į
NUSZCA		Depth to saturated zone	0.86	Depth to saturated zone	0.86 	Depth to saturated zone	0.86
		Too acid 	0.02 	Too acid 	0.07 	Too acid 	0.07
727: Udolpho	 - 100	 Very limited		 Very limited		 Very limited	
		saturated zone	1.00 	saturated zone	İ	Depth to saturated zone	1.00
		Filtering capacity	1.00 	Filtering capacity	1.00 	Filtering capacity	1.00
		Leaching limitation	0.70 	İ	0.42	Too acid 	0.42
		Too acid 	0.11				
729B: Nodaway	 - 50 	 Somewhat limited Flooding	 0.60	 Very limited Flooding	 1.00	 Somewhat limited Flooding	 0.60
Arenzville	 - 40 	 Very limited Flooding	 1.00	 Very limited Flooding	 1.00	 Very limited Flooding	 1.00

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Johnson County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food- processing waste		Application of sewage sludg 		Disposal of wastewater by irrigation	
	 			Rating class and limiting features			
		 	 	 	 	Too steep for surface application	0.01
760: Ansgar	 95 	Depth to saturated zone Leaching limitation	11.00	Depth to saturated zone Too acid 	11.00	 Very limited Depth to saturated zone Too acid 	 1.00 0.07
761: Franklin	 - 90 	Depth to saturated zone	0.43	 Somewhat limited Depth to saturated zone Too acid	0.43	 Somewhat limited Depth to saturated zone Too acid	0.43
771B: Waubeek	 - 95 	 Not limited 	 	 Not limited 		 Somewhat limited Too steep for surface application	 0.08
771C2: Waubeek	 - 100 	 Not limited 	 	 Not limited 			 0.91 0.02
778: Sattre	 	Filtering capacity Too acid	1.00 0.01	 Very limited Filtering capacity Too acid Droughty	1.00 0.03	 Very limited Filtering capacity Too acid Droughty	 1.00 0.03 0.01
778B: Sattre	 - 100 	 Very limited Filtering capacity Too acid Droughty	 1.00 1.00 0.01 1	capacity Too acid	 1.00 0.03 0.01	capacity Too steep for surface application	 1.00 0.08 0.03

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Johnson County, Iowa

Map symbol and soil name	 Pct. of map unit	manure and food- processing waste		Application of sewage sludg 	e	 Disposal of wastewater by irrigation	
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
		 		 		 Droughty 	0.01
792D2: Armstrong	 100 	 Very limited Depth to saturated zone	 1.00 	 Very limited Depth to saturated zone	 1.00 	 Very limited Too steep for surface application	11.00
	i I	 Slope 	0.63	Slope 	0.63	Depth to saturated zone	11.00
	 	Restricted permeability 	0.30 	Restricted permeability 	0.22 	Too steep for sprinkler application Restricted	0.77 0.22
793:	 	 	 	 	 	permeability 	
Bertrand	100 	Very limited Filtering capacity Low adsorption	 1.00 0.13	capacity	 1.00 	Very limited Filtering capacity Low adsorption	 1.00 0.13
826: Rowley	 95 	 Very limited Filtering	 1.00		1 1 1 1 1 1 1 1 1 1	'	1 1 1 1 1 1 1 1 1 1
	 	capacity Depth to saturated zone Too acid	 1.00 0.02	saturated zone	 1.00 0.07	saturated zone	 1.00 0.07
876B: Ladoga	 100 	 Somewhat limited Restricted permeability	1 1 1 0.30	•	1 1 1 1 1 2 2	 Somewhat limited Restricted permeability	 0.22
	 	permeability 	 	permeability 	 	Too steep for Surface application	0.08
920: Tama	 100 	 Very limited Filtering capacity Too acid	 1.00 0.02	 Very limited Filtering capacity Too acid	 1.00 0.07	 Very limited Filtering capacity Too acid	 1.00 0.07
920B: Tama	 100 	 Very limited Filtering capacity	 1.00	 Very limited Filtering capacity	 1.00	 Very limited Filtering capacity	 1.00

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Johnson County, Iowa

and soil name	Pct. of map unit	manure and food- processing waste		Application of sewage sludg 	е	Disposal of wastewater by irrigation	
	 			Rating class and limiting features			
	 	Too acid	0.02 0.02	 Too acid 	 0.07 	Too steep for surface application Too acid	 0.08 0.07
962: Elvira	 95 	Depth to saturated zone Flooding		saturated zone Flooding		saturated zone	 1.00 1.00
974B: Bolan	 100 	 Not limited 	 	 Not limited 	 	 Somewhat limited Too steep for surface application	0.08
976: Raddle	1100	 Not limited	 	 Not limited		 Not limited	į Į
993D2: Gara	 60 		 0.63	 Somewhat limited Slope 	10.63	 Very limited Too steep for surface application	1.00
	 	Restricted permeability 	 0.30 	Restricted permeability	0.22	= =	0.77
Armstrong	 40 		 1.00	 Very limited Depth to saturated zone	11.00	 Very limited	11.00
	 	 Slope 	0.63	Slope	0.63		11.00
	 	 Restricted permeability 	0.30 	Restricted permeability	0.22 		0.77
993E2: Gara	 60	 Very limited	 	 Very limited	 	 Very limited	

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Johnson County, Iowa

Map symbol and soil name	of map	Pct. Application of of manure and food-map processing waste unit		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features		Rating class and limiting features		-	Value
	 	 Slope 	1.00		11.00	Too steep for surface application	1.00
	 	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application Restricted	1.00 0.22
		i I	 	 	 	permeability	
Armstrong	- 40 	Very limited Slope 	11.00	Very limited Slope 	11.00	Very limited Too steep for surface application	 1.00
	 	Depth to saturated zone	1.00	Depth to saturated zone	1.00	= =	11.00
	 	Restricted permeability	0.30	Restricted permeability	0.22	• • •	11.00
1119:		 	 	 	 	permeability	İ İ
Muscatine	 - 95 	Depth to saturated zone	0.43	saturated zone	0.43	saturated zone	0.43
1160:		Too acid 	0.02	Too acid 	0.07 	Too acid 	0.07
Walford	100	Very limited Depth to saturated zone	11.00	Very limited Depth to saturated zone	11.00	Very limited Depth to saturated zone	11.00
		Leaching limitation Restricted permeability	0.70 0.30	permeability	0.22	Restricted permeability 	0.22
1220: Nodaway	 - 92 	 Very limited Flooding	1.00	 Very limited Flooding		 Very limited Flooding	1 1.00
1280: Mahaska	 - 95 		0.43	 Somewhat limited Depth to saturated zone		 Somewhat limited Depth to saturated zone	1 1 1 0.43
	i I	Too acid	0.02		0.07		0.07
1291: Atterberry	 - 95	 Very limited		 Very limited		 Very limited	

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Johnson County, Iowa

Map symbol and soil name	Pct. Application of of manure and food- map processing waste unit		_	Application of sewage sludge 		Disposal of wastewater by irrigation	
	 	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
	 	 Depth to saturated zone				 Depth to saturated zone	11.00
1315: Perks		Flooding Droughty Filtering capacity	1.00 1.00 1.00	Flooding Droughty Filtering capacity	1.00 1.00 1.00	Droughty	 1.00 1.00 1.00
Spillville	30					 Very limited Flooding	1 1.00
1316: Fluvaquents	100	 Not rated 	 	 Not rated 	 	 Not rated 	
1484: Lawson	92	Flooding	1.00 1.00	Flooding Depth to	1.00 1.00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1485: Spillville	 92 			•		 Very limited Flooding	1 1.00
2422: Amana	30	Flooding	1.00 0.43	Flooding	11.00	, ,	11.00
Lawson	 30 	 Very limited Flooding Depth to saturated zone	1	_	'	-	 1.00 1.00
Perks	 30 	 Very limited Droughty Filtering capacity	 1.00 1.00		 1.00 1.00		 1.00 1.00

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Johnson County, Iowa

and soil name	Pct. of map unit	manure and food processing was		Application of sewage sludge		Disposal of wastewater by irrigation	
	 	 Rating class and limiting features 		Rating class and limiting features 		Rating class and limiting features 	
	 	!	 0.60 0.45	1 00-1-0-0-1	 1.00 	 Flooding 	 0.60
5010: Pits	 100 	 Not rated 	 	 Not rated 		 Not rated 	
5030: Pits	 100 	 Not rated 	 	 Not rated 		 Not rated 	
5040: Orthents	 100 	 Not rated 	 	 Not rated 		 Not rated 	
INT: Intermittent Water	 100 	 Not rated 	 	 Not rated 	 	 Not rated 	
SL: Sewage Lagoon	 100 	 Not rated 	 	 Not rated 		 Not rated 	
W: Water	 100 	 Not rated 	 	 Not rated 	 	 Not rated 	